

MHM Systems Training - Course Descriptions

Course Number	Course Title	Course Description	Suggested Attendees	Duration	Prerequisites
0020	CSI 6500 Protection, System Configuration	The purpose of this training is to provide the attendee with an intermediate knowledge of the CSI 6500 protection system. This will include an understanding of how to configure the system, proper sensor wiring, dip switch setting, and setting key fields in the configuration such as measurement parameters and alarm limits.	Projects personnel for Emerson Projects personnel for Emerson Repts Services personnel for Emerson Services personnel for Emerson Repts Support personnel for Emerson Support personnel for Emerson Repts	4 Days	MHM Online Protection Systems, Operations and Maintenance Course 2080 + Somewhat familiar with vibration analysis Basic computer skills Basic knowledge of electrical test equipment
0021	CSI 6500 Prediction, System Configuration	The purpose of this training is to provide the attendee with an intermediate knowledge of the CSI 6500 prediction system. This will include an understanding of how to configure and commission an MHM Prediction System, proper sensor wiring, dip switch setting, and setting key fields in the database such as measurement parameters and alarm limits.	Projects personnel for Emerson Projects personnel for Emerson Repts Services personnel for Emerson Services personnel for Emerson Repts Support personnel for Emerson Support personnel for Emerson Repts	4 Days	MHM Online Prediction Systems, Operations and Maintenance, Course 2088 + Somewhat familiar with vibration analysis Basic computer skills Basic knowledge of electrical test equipment
0022	MHM Systems Design Training	The purpose of this training is to provide the required material and tools that will be used to instrument a machine and to develop a Bill of Materials (BOM) for an MHM system (CSI 6500, CSI 6300 SIS, and CSI9420). This course includes an overview of the types of measurements that can be instrumented and the different sensors that may be used, a detailed overview of the hardware and software used in an MHM system, and how to perform a walkdown of a machine.	Technical Sales personnel for Emerson and Emerson Repts Project Engineering personnel for Emerson and Emerson Repts Solutions Architects (proposal development) or Emerson and Emerson Repts	5 Days	No prerequisites
0023	MHM Systems Proposal Design Training	The purpose of this training is to provide the required material and tools that will be used to develop an MHM systems (CSI 6500, CSI 6300 SIS, and CSI9420) proposal. The course will cover the following: Filling out a Request to Quote a MHM System form (RTQ), answering to a tendered Request for Proposal (RFP), identifying tasks, deliverables, and appropriate labor loading, and using the Enterprise Estimating Tool (EET) for MHM systems.	Technical Sales personnel for Emerson and Emerson Repts Project Engineering personnel for Emerson and Emerson Repts Solutions Architects (proposal development) or Emerson and Emerson Repts	3 Days	MHM Systems Design Training, Course 0022
0024	MHM Systems Networking and Netstarts	The purpose of this course is to teach the attendee how to: - Install AMS Suite Machinery Health Manager Standalone and Network (Remote Host, LANs and WANs) - Configure Windows Services - Set up CSI Hardware devices - Define required permissions - Administration of the application - Backups - Connectivity Troubleshooting	Projects personnel for Emerson Projects personnel for Emerson Repts Services personnel for Emerson Services personnel for Emerson Repts Support personnel for Emerson Support personnel for Emerson Repts	3 Days	Understanding of Microsoft networking including the following; Share permissions, NTFS permissions, Domains, Trusts, and TCP/IP version 4. Understanding of Citrix and or Terminal Server, both clients and servers. Knowledge of Hardware associated with AMS Suite Machinery Health Manager.
0025	Sensor Design and Configuration	The purpose of this training is to provide details on sensors and their applications. By the end of this course the attendee should know the sensors' functionality, installation, calibration and gapping. The course material also includes different sensors set-ups and the most common TSI measurements. By the end of the course the attendee should be aware and prepared for most common set-ups that can be found at a customer site.	Projects personnel for Emerson Projects personnel for Emerson Repts Services personnel for Emerson Services personnel for Emerson Repts Support personnel for Emerson Support personnel for Emerson Repts	3 days	No prerequisites
2080	CSI 6500 Protection System, Operations and Maintenance	The purpose of this training is to provide the attendee with a solid working knowledge of the CSI 6500 Protection System. This working knowledge will include an understanding of how to operate, maintain, and troubleshoot the system, including editing key fields in the configuration such as the alarm limits. The training will include an overview of the hardware layout of the various modules required for operation and the outputs that may be passed from the system. Attendees will also gain an understanding of how to properly verify sensor health and operational parameters	Systems Users Projects personnel for Emerson Projects personnel for Emerson Repts Services personnel for Emerson Services personnel for Emerson Repts Support personnel for Emerson Support personnel for Emerson Repts	4 Days	Somewhat familiar with vibration analysis Basic computer skills Basic knowledge of electrical test equipment
2087	CSI 6300 SIS, Operations and Maintenance	The purpose of this training is to provide the attendee with a solid working knowledge of the CSI 6300 SIS System. This working knowledge will include an understanding of how to implement the CSI 6300 SIS and use the manuals for integration, System safety philosophy, Overall safety calculations of the complete chain, a basic explanation about SIL (why is it done, what are the reasons for doing it, history, what do the different safety related numbers mean), a description of: HW Components, Sensors, Configuration SW, Different System Variations, Measurement and Safety Functionalities, System Configuration, Sensor and System Installation, Implemented System and Safety Routines, In & Output Functionalities, Machinery Requirements.	Projects personnel for Emerson Projects personnel for Emerson Repts Services personnel for Emerson Services personnel for Emerson Repts Support personnel for Emerson Support personnel for Emerson Repts	3 days	Participants should be familiar with vibration analysis, have basic computer skills and have a basic knowledge of electrical test equipment.
2088	CSI 6500 Prediction System, Operations and Maintenance	The purpose of this training is to provide the attendee with a solid working knowledge of the CSI 6500 Prediction System. This working knowledge will include an understanding of how to operate, maintain, and troubleshoot the system. This will include: editing key fields in the Online Configuration module of MHM, basic changes to the MHM database, and an overview of the vibration plotting module. The training will include an overview of the hardware layout of the various modules required for operation and the outputs that may be passed from the system. Attendees will also gain an understanding of how to properly verify sensor health and operational parameters	Systems Users Projects personnel for Emerson Projects personnel for Emerson Repts Services personnel for Emerson Services personnel for Emerson Repts Support personnel for Emerson Support personnel for Emerson Repts	4 Days	Somewhat familiar with vibration analysis Basic computer skills Basic knowledge of electrical test equipment